Index of Names

Accident Prevention Bureau (U.S. Department of Health, Education, and Welfare), 9
Addiction Research Foundation, Toronto, 9
Aiken, D., 94, 192–3, 197, 200, 216
Alcohol Safety Action Projects (U.S.A.), 10, 13, 123, 127, 179, 186, 197
Alcoholic Beverage Medical Research Foundation (U.S.A.), vii, 61, 203
American Bar Association, 6, 9
American Medical Association, 5, 6, 7, 119
American Railway Association, Rule G, 3
Anastas, R., 192–3, 196, 199, 216
Australian Associated Brewers Medical Research Advisory Committee, 61

Bacon, S. D., 22, 68, 79
Baker, S. P., 63–4, 65, 66, 216
Bandura, A., 87
Benton, N., 196–7, 216
Berke, R., 66
Bonnie, R. J., 129, 146, 170, 172, 174, 216
Borkenstein, R. F., 2, 3, 7, 13, 14, 15, 41, 45, 81, 215, 216
Boston University School of Public Health, 125
Breed Corporation, 66

Canada Bar Association, 10
Canadian Council on Uniform Traffic Control Devices, 4
Canadian Medical Association, 10
Castle, B., 9
Center of Alcohol Studies, Rutgers University, 9
Chafetz, M., 92, 96
Committee on Alcohol and Drugs, National Safety Council, 8, 10, 102, 171
Committee on Justice and Legal Affairs of the House of Commons (Canada), 10
Committee on Tests for Intoxication, National Safety Council, 6, 7, 9
Committee on Uniform Traffic Accidents Statistics, National Safety Council, 8
Committee to Study Problems of Motor Vehicle Accidents, American Medical Association, 6
Conference of Motor Transport Administrators (Canada), 4
Council of Ministers of the European Conference of Ministers of Transport, 9
Crash Injury Research, Cornell University Medical College, 7, 8

Department of Motor Vehicles, 66, 155, 157
Department of Transportation (U.S.A.), 10, 13, 15, 24
Distilled Spirits Council of the United States, 9
Donelson, A. C., 68, 78, 92, 93, 94, 202, 216
Dubowski, K. M., 96–7, 98, 119, 215–6

Fell, J. C., 43
First Cooperative Safety Congress, Milwaukee, 4

Goldberg, L., 7
Gordis, L., 20, 40–1, 216
Gusfield, J. R., 68, 70, 83, 92, 93, 94, 194, 202, 207, 216

Hagen, R. E., 179, 198–9, 217
Haight, F. A., 2, 13, 41, 62, 66, 217
Harger, R. N., 6, 7
Haseltine, P. W., 211, 217
Haskins, J. B., 184, 192, 199, 217
Haskins, T. S., 192, 217
Heald, J., 67
Heise, H., 5, 6, 7
Henderson, D. A., 1, 217
Holcomb, R., 6
Human Resources Research Organization, 109

International Association of Chiefs of Police, 9

Jenkins, C. R., 196, 199–200, 217
Johnson, B. A., 65
Joksch, H. C., 46, 47, 65, 217
Jonah, B. A., 169, 170, 175, 176, 218
Jones, R. K., 210, 218

Keller, M., 87
Kimball, A. W., 20, 41, 218
Kitowski, C., 192
Klein, D., 70
Kraft Foods Corp., 164

Lacey, J., 168–9, 175–6, 218
Licensed Beverage Industries (U.S.A.), 9, 186
Lightner, C., 192–3
Livingston, C. F., 197, 199, 218
Loomis, J. A., 7
Lowery, F., 126
Lucas, D. M., 96, 117, 119, 215, 218

McCready, W. C., 68, 90–2, 92–3, 94–5, 218
McLean, A. J., 61–2, 65, 218
Mäkelä, K., 87
Medicine in the Public Interest, Inc., 138
Mitchell, M. C., 96–7, 109, 118, 119, 205, 218
Muller, S., 1, 218
Murnaghan, Judge F. D., Jr., 145, 147, 170, 171, 174, 219

National Committee on Uniform Traffic Laws and Ordinances (U.S.A.), 7
National Council for Industrial Safety (U.S.A.), 4
National Highway Safety Bureau (U.S.A.), 10
National Institute on Alcohol Abuse and Alcoholism, Department of Health and Human Services (U.S.A.), 11, 92, 106, 138
National Research Council (U.S.A.), 130, 135, 139, 141, 171
National Safety Council (U.S.A.), vii, 4, 6, 7, 8, 9, 10, 106, 171
National Transportation Safety Board (U.S.A.), 155
New York Center for Safety Education, 9
Newman, H., 7
Northwestern University Traffic Institute (U.S.A.), 6, 9

Office of Alcohol Countermeasures, Department of Transportation (U.S.A.), 10
O'Neill, B., 119

Penner, D. W., 7
Presidential Commission on Drunk Driving (U.S.A.), 11, 82, 84, 119, 126, 140, 181, 198, 207

React International, Inc., 192
Reagle, G., 146, 219
Reeder, R. H., 215
Richman, A., 19, 21, 42, 43, 44, 64, 66, 202, 219
Room, R., 83
Roos, P. S., 198, 219
Ross, H. L., 122, 146, 171, 173, 175, 203, 207, 219
Ross, R. S., 1, 219
Royal Canadian Mounted Police, 9, 10

Safe Roads Act (North Carolina), 151, 175
Santora, P. B., 219
Shea, D. B., 94, 95, 219
Shock Trauma Center (Maryland), 117
Simpson, H. M., 20, 32, 42, 43, 44, 64, 202, 219
Smith, H. W., 7
Snyder, M. B., 144–5, 146, 169, 172, 173, 174, 219
Soderstrom, C. A., 97, 117, 118, 220
Starmer, G., 117, 118, 220

Teret, S. P., 145–6, 172, 220
Traffic Injury Research Foundation (Canada), 23, 24, 43, 83, 194
Traffic Safety Council (Canada), 8
Traffic Safety Newsletter, 11
Transportation Research Institute (Ann Arbor), 185
Turner, T. B., 19, 213, 220

U.S. Department of Transportation, 14, 23, 151
U.S. National Highway Traffic Safety Administration, vii, 10, 13, 24, 33, 57, 102, 171, 179
U.S. Senate Labor and Public Welfare Committee, 131

Vingilis, E. R., 68, 90, 93–4, 220
Voas, R. B., 44, 120, 145, 170, 172–3, 175, 220

Waller, J. A., 44, 46, 54, 64, 66, 70, 220
Waller, P. F., 44, 150, 171–2, 174, 176, 195, 220
Weisman, M., 43
White House Conference on Highway Safety, 7
Widmark, E. M. P., 5
Wilde, G. J. S., 161, 170, 185, 220
Williams, S., 5–6
Wolfe, A., 173

Zylman, R., 22, 33, 70, 81, 185

Index of Subjects

Absorption/alcohol, 98–100, 205
Accident rate
  countermeasures/drinking-driving, 164–5
  environmental factors, 55
  risk homeostasis theory, 162–4
  vehicle size, 65
Accident risk (*see also* Risk factors) 15, 22
  blood alcohol, 35-6, 44, 71
  demographic variables, 48–9
  drinker categories, 43–4, 169
  environmental factors, 48–51, 55
  highway characteristics, 49–50, 63–4
  liquor sales and licensing, 56, 65
  physical disorders, 66
  restraint systems, 52, 65–6
  risk homeostasis theory, 162–4
  seasonal differences, 49
  speed limit, 49, 51, 63
  temporal variables, 49
  traffic characteristics, 50–1
  vehicle characteristics, 51–2, 55, 58, 63, 64
  youth, 136, 146
Accident severity, 24
Accidents/fatal (*see also* Accidents/nonfatal)
  accidents/multiple vehicle, 20, 24, 28–30, 43, 51
  accidents/single vehicle, 20, 24, 28–30, 50
  alcoholism, 27
  arrest history/drinking-driving, 27, 30
  blood alcohol, 19–20, 24, 25, 63
    speed, 58
  convictions/drinking-driving, 27, 30
  day of week, 20, 25
  demographic variables, 25–6, 28–30, 43, 63
  driver licensing
    age, 151
  drug use, 28
  law enforcement/drinking-driving, 124, 125, 162–3
  regional differences, 25, 64
  restraint systems, 28
  rural-urban differences, 25
  seasonal differences, 25
  sex differences, 25
  speed limit, 64
  temporal differences, 25, 63
  vehicular factors, 64
  youth
    legal restriction/beverage purchase, 86–7, 129–38, 152
    social action groups, 199
Accidents/multiple vehicle
  fatal, 20, 24, 28–30, 43, 51
Accidents/nonfatal (*see also* Accidents/fatal)
  availability of alcoholic beverages, 56
  blood alcohol, 22, 61
    passengers, 57, 117
Accidents/nonfatal (*continued*)
  coroners' reports, 22–3
  demographic variables, 25–6
  drinker categories, 27
  driver licensing
    age, 151
  driving experience, 26–7
  driving history, 27
  emotional status of driver, 14–5
  incentives/accident-free driving, 164–5
  law enforcement/drinking-driving, 123, 125, 168
  lifestyle, 26, 28
  liquor sales and licensing, 65
  outlets/alcoholic beverages, 139
  pedestrian environment, 56–7
  police patrol, 123
  problem drinkers, 27–8
  restraint systems, 28, 52, 58–9
  risk factors, 28, 29, 73
  risk taking, 26, 28, 169
  sex differences, 26, 28, 117
  sociocultural factors, 81–4
  speed, 58
  stress, 26–7
  temporal differences, 28, 123, 135, 137
  youth, 42–3
    curfew laws, 138, 151–2
    legal restriction/beverage purchase, 135
    personality, 26
Accidents/single vehicle, 25, 58
  fatal, 20, 24, 28–30, 43, 50
Adaptation/alcohol, 99
Adolescents, *see* Youth
Advertising/alcoholic beverages
  consumption/alcoholic beverages, 131–2
  drinking-driving, 93–4
    countermeasures, 86–7
Age
  accident risk, 49
    drinker categories, 43–4
  accidents/fatal, 20, 25–30, 43
    blood alcohol, 63
  accidents/nonfatal, 25–6
    driver licensing, 151
  blood alcohol
    psychomotor skills, 111
  drinking-driving
    license revocation, 172
  drinking/legal
    drinking-driving, 86–7, 129–38, 152
  pharmacokinetics/alcohol, 103
Aggression
  accidents/nonfatal
    youth, 26

Aggression *(continued)*
risk factor
drinking-driving, 93
Air bags, *see* Restraint systems
Alcoholic Beverage Control System
policies, 138–41
Alcoholic beverage industry
traffic safety, 66
Alcoholic beverage preference
drinking-driving, 27
Alcoholics Anonymous, 145, 180
Alcoholism
accidents/fatal, 27
Alcoholism treatment/mandatory
recidivism/drinking-driving, 145–6
Alcometer, 8
Alienation
youth
accidents/nonfatal, 56
Ambience
accident risk, 49
Arizona
law enforcement/drinking-driving, 124
Arrest history/drinking-driving
accidents/fatal, 27, 30
research needs, 35
Arrests/drinking-driving
environmental factors, 56
law enforcement/drinking-driving, 124
license revocation, 155
outlets/alcoholic beverages, 139–40
physical disorders, 43, 44
Attention
alcohol, 109–11
Attitudes/drinking-driving, 14–5, 82–5, 198
culture, 73–6
youth
social action groups, 193–4, 196, 199
Attitudes/drinking regulation, 130
Australia
blood alcohol
accidents/traffic, 61
breath testing, 61–2
roadside surveys, 61–2
sobriety checkpoints, 173
Availability of alcoholic beverages (*see also* Sales/alcoholic beverages; Licensing/drinking establishments; Outlets/alcoholic beverages)
accidents/traffic, 56
youth
legal restriction, 86–7, 129–41, 152

BAL charts, 119
credibility, 169–70
BAT mobiles, 123
Blood alcohol curve, 99, 103–5
Blood alcohol determination
accidents/traffic
history, 5
legality, 145

Blood alcohol level (*see also* Breath alcohol level)
accident risk, 35–6, 44, 71
accidents/fatal, 19–20, 24, 25
age, 63
speed, 58
time of day, 63
accidents/nonfatal, 22
breath alcohol, 101–2
drinking context, 44
individual variation, 99–100
injury severity
kinetic loading, 58–9
passengers, 57, 117
accidents/nonfatal, 57, 117
psychological factors, 55, 109–12
psychomotor skills, 55
risk factors
accidents/traffic, 15, 22
statutory terminology, 101
survivors, accidents/fatal, 43
Blutalkohol, 9
Breath alcohol curve, 103–5
Breath alcohol level (*see also* Breath testing)
blood alcohol, 101–2
Breath testers, 6, 8
Breath testing (*see also* Breath alcohol level)
accidents/nonfatal, 61–2
history, 6
roadside surveys, 61–2
Breathalyzer, 9
Breathalyzer Legislation (Canada), 10
British Columbia
law enforcement/drinking-driving
accidents/fatal, 162–3

California
arrests/drinking-driving
outlets/alcoholic beverages, 139–40
countermeasures/drinking-driving
incentives/accident-free driving, 164
rehabilitation-education, 180–1
transportation alternatives, 170
law enforcement/drinking-driving, 123, 125
laws/drinking-driving
driving/convictee, 154
Canada
drinking drivers
characteristics, 169
fatalities/accident, 21, 23
rural-urban differences, 25
laws/drinking-driving
history, 7–10
laws/traffic
history, 4
license suspension, 175
roadside surveys
drinking-driving, 23–4, 42
social action groups, 194

Canadian Criminal Code, 4, 7, 10
Central nervous system
  alcohol, 109–114, 205
  alcohol sensitivity
    trauma, 57–9
Chapel Hill's Seat Belt Pay-Off Program, 168
Chemical tests of intoxication
  history, 5–6
Chemical Tests and the Law, 7
Circadian rhythms, *see* Time of Day
Citizens Against Impaired Driving (CAIP), 192, 194
Cognitive functions
  alcohol, 55, 110, 111–2
Commercial drivers
  license suspension, 171
Community's role
  prevention of drinking–driving, 82–4
Comprehensive Driving Under the Influence of Alcohol Treatment Demonstration Project (California), 180
Conditional driver license, 156, 171–2
Connecticut
  countermeasures/drinking–driving
    economic measures, 164
Consumption/alcoholic beverages
  advertising/alcoholic beverages, 131–2
  outlets/alcoholic beverages, 139–40
Continuous tracking, *see* Coordination/motor
Contraceptives
  metabolism of alcohol, 103
Control devices, vehicles
  drinking–driving, 56, 66, 199
Convictions/drinking–driving
  accidents/fatal, 27, 30
  habitual offender legislation, 158
  per se legislation, 153
  research needs, 35
Coordination/motor
  alcohol, 110–11
Coroners' reports
  accidents/nonfatal, 22–3
Costs
  accidents/nonfatal
    incentives/accident-free driving, 164–5
  alcohol regulation, 130–1
  rehabilitation of drinking drivers, 198
  sobriety checkpoints, 172
Countermeasures/drinking–driving
  deterrence, 122–8, 144–7
  economic measures, 164
  education, 140–1, 179–82
  preventive, 64–5, 150–9
  regulatory, 129–40
  rehabilitation, 179–82
  reward, 164–6, 168
Crashes, *see* Accidents/fatal; Accidents/multiple vehicle; Accidents/nonfatal; Accidents/single vehicle
Criminal justice system
  law enforcement/drinking–driving, 124–6, 171–2
Culture
  attitudes/drinking–driving, 82–5, 198
Curfew laws/driving (*see also* Laws/drinking–driving)
  youth, 137–8
    accidents/nonfatal, 151–2

Day of week
  accident risk, 49
  accidents/traffic
    police patrol, 123
  drinking–driving
    roadside surveys, 23–4, 44
  fatal accidents, 20, 25
Decision making, *see* Cognitive functioning
Delaware
  law enforcement/drinking–driving, 123–4
Demographic characteristics
  accidents/fatal, 26
  drinking–driving, 72-3
Deterrents/drinking–driving, *see* Countermeasures
Diabetes
  arrests/drinking–driving, 43, 44
  drinking
    accident risk, 66
Diazepam use
  accidents/fatal, 28
Distribution/alcohol, 101–2
Dose–response relationship
  accident rate, 40
Dram shop statutes, 140–1, 146–7
Drinker categories
  accident risk, 43–4, 169
  accidents/traffic, 27
  laws/drinking–driving, 154
Drinking context
  blood alcohol, 44
  drinking–driving controls, 73–4, 202
Drinking Driver Monitor Program, 145
Drinking drivers
  characteristics, 169
  high risk, 92–3
  lifestyle, 169, 181
  motivation, 37
  profile, 36–7, 202
  social composition, 71–3
Drinking–driving
  advertising/alcoholic beverages, 86–7, 93–4
  alcoholic beverage preference, 27
  control devices, 66, 199
  demographic variables, 26, 72–3
  driving style, 70–2
  historical perspective, 5–12
  laws/liquor control
    legal drinking age, 86–7, 129–38, 152
  legal intervention, 124–8
  leisure activities, 71–2
  license revocation, 172, 175–8
  liquor sales and licensing, 74–5, 86–7, 139
  malevolence assumption, 75–6
  mass media, 11, 184–90
  psychosocial interaction model, 90

Drinking-Driving (*continued*)
risk factors, 73, 90-3, 169, 202
roadside surveys
day of week, 23-4, 44
social action groups, 192-5, 199
social correlates, 71-5
social mores, 90-4
sociocultural factors, 73-6, 82-5, 90-2
Drinking establishments
drinking-driving decision
intervention, 73-4
Drinking experience
accidents/nonfatal
youth, 26, 42-3
Drinking patterns
youth, 132-4
Driver licensing process
age/driver
accidents/fatal, 151
accidents/nonfatal, 151
identification of problem drinkers
countermeasures, 152-3
Driving experience
accidents/nonfatal, 26-7
youth
accident risk, 136
accidents/fatal, 20
accidents/nonfatal, 26, 42-3
driver licensing, 151
Driving history
accidents/nonfatal, 27
Driving simulators, 110, 112, 118
Driving skills (*see also* Psychomotor skills)
alcohol, 112
tolerance/alcohol, 113-4
Driving style
youth
drinking-driving, 71-2
Drug use
accidents/fatal, 28
Drunk Driving Warning System, 56
Drunkometer, 6, 8

Economic measures
accidents/nonfatal
countermeasures, 164-5
Education/drinking-driving
countermeasures, 179-182
Education/serving of alcoholic beverage
countermeasures/drinking-driving, 140-1
Educational status
drinking-driving, 26, 72
Elimination/alcohol, 205
pharmacokinetics, 100-1
Emotional status of driver
accidents/nonfatal, 14-5
Environmental factors
accident rates, 55
accident risk, 48-51, 55
arrests/drinking-driving, 56

Epilepsy
arrests/drinking-driving, 43-44
Ethnography
research
drinking-driving, 73-4, 202
Evanston study, 6

Fatal Accident Reporting System, 27, 137
critique, 14, 23, 43, 137, 151, 203
Fatality rates/accident, 21, 28
legal restriction/alcoholic beverages, 135
outlets/alcoholic beverage, 139
vehicle-mile-of-travel, 16
Fatigue
accidents/nonfatal, 27
Finger-to-finger-apposition tests
alcohol, 110-11
Florida
sobriety checkpoints, 175

Germany
incentives/accident-free driving, 164-5
Grand Rapids study, 7, 9, 23, 41-2, 73

Habitual offender legislation
evaluation, 157-8
Hardship license, *see* Limited driving privileges
Hearing acuity
alcohol, 110
Highway characteristics
accident risk, 49-50, 55, 63-4
Hostility
youth
accidents/nonfatal, 26
Hypothalamus
alcohol, 119

Impaired Driver Alert, 192
Implied consent legislation, 154
constitutionality, 170
Incentives/accident-free driving, 164-6, 168
Income
drinking-driving, 26
Indiana
laws/drinking-driving
history, 6
Information processing, *see* Cognitive functioning
Injury Fact Book, 63-4
Injury severity
kinetic forces
blood alcohol, 58-9
International Classification of Diseases
accidents/nonfatal, 22
Intoximeter, 8
Iowa
law enforcement/drinking-driving, 126

Judges, *see* Criminal justice system
Judgment
  alcohol, 110, 111
  blood alcohol, 55

Kinetic forces
  injury severity
    blood alcohol, 58–9

Lake Louise symposium, 20, 34, 64
Law enforcement/drinking-driving (*see also* Laws/drinking-driving)
  accidents/fatal, 124, 125, 162–3
  accidents/nonfatal, 123, 125, 168
  arrests/drinking-driving, 124
  criminal justice system, 124–6, 171–2
  license suspension, 126, 155, 158, 171–2, 175
  police patrol, 123–4
  sobriety checkpoints, 123
Laws/drinking-driving (*see also* Implied consent; Law enforcement/drinking-driving; License revocation; License suspension; Per se legislation), 87, 125–6, 129–31
  age
    drinking/legal, 131–4
  availability/alcoholic beverages, 138–41
  drinker categories, 154
  driving/convictee, 154
  history, 4–10
Laws/traffic
  history, 4–5
Leisure activities
  drinking-driving
    youth, 71–2
License revocation
  arrests/drinking-driving, 155
  drinking-driving, 175–6
    evaluation, 154–6, 158
  youth
    drinking, 151, 172
License suspension, 10
  law enforcement/drinking-driving, 126, 155, 158, 171–2, 175
Licensing/drinking establishments
  drinking-driving, 58, 74–5, 139
Lifestyle
  accidents/nonfatal, 26, 28
  drinking drivers, 169
    rehabilitation-education, 181
Light conditions, *see* Ambience
Limited driving privileges
  countermeasures/drinking-driving
    evaluation, 156, 158, 171
Louisiana
  curfew laws/drinking
    accidents/nonfatal, 138

Maine
  law enforcement/drinking-driving, 123
    history, 6
  legal restriction/alcoholic beverages
    accidents/nonfatal, 135
Mandatory jailing
  drinking drivers, 124–5
Manual on Alcohol and the Impaired Driver (American Medical Association), 7
Marihuana use
  accidents/fatal, 28
Marital status
  accidents/fatal, 26
  accidents/nonfatal, 30
  drinking-driving, 72–3
Maryland
  curfew laws/driving
    accidents/nonfatal, 138
  law enforcement/drinking-driving, 123–4
  recidivism/drinking-driving
    alcoholism treatment/mandatory, 145–6
Mass media
  drinking-driving, 11, 184–90
  sobriety checkpoints, 172–3
Massachusetts
  legal restriction/alcoholic beverages
    accidents/nonfatal, 135
Maturation process
  drinking-driving, 73, 202
Medical review programs
  countermeasures/drinking-driving
    evaluation, 156–7
Memory
  alcohol, 112
Menstrual cycle
  metabolism of alcohol, 103
Metabolism of alcohol (*see also* Absorption/alcohol; Distribution/alcohol; Elimination/alcohol)
  drugs, 118
Military personnel
  countermeasures/drinking-driving
    economic measures, 164
Minnesota
  law enforcement/drinking-driving, 126
  legal restriction/alcoholic beverages
    accidents/nonfatal, 135
  license revocation/drinking-driving
    evaluation, 155
Mississippi
  recidivism/drinking-driving
    rehabilitation-education, 180
Mood
  blood alcohol, 55
Moral community
  drinking-driving
    intervention, 16–17
Mothers Against Drunk Driving (MADD), 57, 67, 122, 171, 172, 192, 193, 197, 198
Motivation/drinking-driving, 37–8, 202

National Accident Sampling System, U.S. Dept. of Transportation, 151
critique, 14, 23
National Center for Statistics and Analysis (U.S.A.), 14, 23, 135
National Driver Register
drinking-driving
countermeasures, 153
National Electronic Injury and Surveillance System, 135
National Highway Safety Act (U.S.A.), 9
National Institute of Justice
survey
law enforcement/drinking-driving, 124-5
National Survey of Adolescent Drinking Behavior, 134
New Mexico
law enforcement/drinking-driving, 123
New York
curfew laws/driving
accidents/nonfatal, 138
law enforcement/drinking-driving, 127
legal restriction/alcoholic beverages
accidents/nonfatal, 135
New York Governor's Traffic Safety Committee
drinking-driving
mass communication, 186-7
North Carolina
habitual offender legislation, 157
laws/drinking-driving, 174
per se legislation, 153, 175-6
sobriety checkpoints, 173
traffic accidents, 168
license revocation
youth, 151
license suspension
evaluation, 156
medical review program
evaluation, 157
outlets/alcoholic beverages
accidents/nonfatal, 139
arrests/drinking-driving, 139-40
Norway
laws/drinking-driving
history, 6
Nystagmus
alcohol, 118
sobriety checkpoints
test, 173

Occupational status
drinking-driving, 26, 72
Oregon
habitual offender legislation
arrestees/drinking-driving, 157
laws/drinking-driving
driving/convictee, 154
Outlets/alcoholic beverages
accidents/nonfatal, 139
arrests/drinking-driving, 139-40
consumption/alcoholic beverages, 139-40
fatality rates, 139

Passengers
accidents/nonfatal
blood alcohol, 57, 117
Pedestrian environment
accidents/nonfatal, 56-7
Pennsylvania
curfew laws/driving
accidents/nonfatal, 138, 151-2
legal restriction/alcoholic beverages
accidents/nonfatal, 135
People To Reduce Impaired Driving Everywhere (PRIDE), 192, 194
Per se legislation, 175-6
convictions/drinking-driving, 153
evaluation, 153-4
Perceptual skills
alcohol, 109-10
Personality of driver
accidents/nonfatal, 26
Pharmacokinetics/alcohol
age, 103
sex differences, 102-3
time of day, 103
Pharmacology/alcohol, 98-119
Physical disorders
arrests/drinking-driving, 43, 44
drinking
accident risk, 66
Police accident reports
drinking
subjective measures, 21-3
Police patrol
accidents/traffic
day of week, 123
law enforcement/drinking-driving, 123-4
Portable Intoximeter, 8
Pricing of alcoholic beverages
drinking-driving, 75
countermeasures, 86-7
Probability/accident, 22, 42, 43-4, 73, 91, 155, 173
Probation
rehabilitation-education
recidivism/drinking-driving, 180
Problem drinkers
accidents/fatal, 27-8
Prohibition, 94, 130
Provisional driver license
youth, 151
rehabilitation-education, 182
Psychiatric disorders
arrests/drinking-driving, 43, 44
Psychomotor skills
alcohol, 14-5, 109-11
blood alcohol, 55
tolerance/alcohol, 113-4
Psychosocial interaction model
drinking-driving, 90
Public health sector
drinking-driving
intervention, 15-7, 129-32

Public opinion
drinking-driving
social action groups, 192–5, 196–7
Punishment/drinking-driving, 164
certainty, 122–4, 127, 144
severity, 124–7, 175
swiftness, 126–8
Pursuit rotor, *see* Coordination/motor

Quarterly Journal of Inebriety, 4

Reaction time
alcohol, 109
Rebellion
youth
accidents/nonfatal, 26
Recidivism/drinking-driving
accidents/nonfatal, 180–1, 199
alcoholism treatment/mandatory, 145–6
rehabilitation-education, 180–1
Recommendations of the Committee on Alcohol and Drugs, National Safety Council (U.S.A.), 7
Regional differences
accidents/fatal, 25, 64
Rehabilitation of drinking drivers
costs, 198
countermeasures, 179–82, 197
Remove Intoxicated Drivers (RID), 122, 192, 193, 197
Research needs
alcohol
accidents, 32–8, 54–9, 84–8, 106–7, 114–5, 127–8, 158, 182, 189
Restraint systems, 209
accident risk, 52, 65–6
accidents/fatal, 28
accidents/nonfatal, 28, 52, 58–9
blood alcohol, 71
Restricted license, 156
Reward/accident-free driving, 164–6
Risk factors (*see also* Accident risk)
accidents/nonfatal, 28, 29, 72
research needs, 35–6, 43
age
drinking/legal, 136
alcohol
accidents/nonfatal, 22, 48–52, 90, 92–3
drinking-driving, 92–3, 169, 202
Risk homeostasis theory, 162–4
Risk taking
accidents/nonfatal, 26, 28, 169
alcohol
accidents/nonfatal, 14–5, 169
drinking-driving, 73, 90–2
environmental factors, 55
Roadside surveys
drinking-driving, 23–4, 61–2
Romberg's test
alcohol, 110–11

Rural-urban differences
accident rate, 48–9
accidents/fatal, 25

Sales/alcoholic beverage
accident risk, 56, 65
accidents/nonfatal, 56, 65
Saliva alcohol determination, 102
Saskatchewan
incentives/accident-free driving, 166
Seasonal differences
accident risk, 49
accidents/fatal, 25
Seat belts, *see* Restraint systems
Serving/alcoholic beverage
countermeasures
education, 140–1, 208
Seventh Stapp Automotive Crash Conference, Los Angeles, 15
Sex differences
accident risk, 49, 65
accidents/fatal, 25, 28
accidents/nonfatal, 26, 28, 30
blood alcohol, 117
drinking-driving, 26
pharmacokinetics/alcohol, 102–3
Sober Aid, 118
Sobriety checkpoints, 123–4, 173
constitutionality, 145
costs, 172
effectiveness, 172–5
mass media, 172–3
Social action groups
drinking-driving, 192–5, 199, 207
Social mores
drinking-driving, 91–2
countermeasures, 90–2, 94
Social psychology
psychosocial interaction
drinking-driving, 90
Sociocultural factors
accidents/nonfatal, 81–4
drinking-driving, 70–6, 78–88, 90–2
Socioeconomic status
drinking-driving, 72
Speed
blood alcohol
accidents/nonfatal, 58
Speed limit
accident risk, 49, 51, 63
accidents/fatal, 64
Spinal cord
alcohol sensitivity
trauma, 57
Standard Alcohol Influence Form, 6
Standard Report on Fatal Motor Vehicle Accidents, National Safety Council, 8
STOP-DWI legislation, New York State, 127
Stress
accidents/nonfatal, 26–7

Students Against Driving Drunk (SADD), 192, 193–4, 196, 199
Suicide
  drinking
    accidents/fatal, 14
  youth
    incentives/accident-free driving, 170
Survivors/accidents, fatal
  blood alcohol, 43
Sweat alcohol determination, 102
Symposium on Alcohol and Road Traffic, Indiana University, 7

Teenagers, *see* Youth
Tennessee
  law enforcement/drinking-driving, 124
Texas
  countermeasures/drinking-driving
    economic measures, 164
Time of day
  accident risk, 49
  accidents/fatal, 25
    blood alcohol, 63
  accidents/nonfatal, 28
    police patrol, 123
    youth, 135, 137
  drinking-driving
    roadside surveys, 23–4
  pharmacokinetics/alcohol, 103
Tolerance/alcohol, 99, 110, 113–4, 205
  psychomotor skills, 113–4
Traffic characteristics
  accident risk, 50–1
Traffic safety
  alcoholic beverage industry, 66
  drinking-driving
    history, 4–13
  moral activists, 15–7
  public health, 15–7
  transportation groups, 15–7
Traffic Safety Evaluation Research Review, 11
Transportation
  availability of alternatives, 74, 94
    countermeasures, 170, 208–9
Transportation Alternatives, Inc. (TAD), 192
Transportation groups
  drinking-driving
    intervention, 15–7
Trauma
  alcohol sensitivity, 57–9
Truckers Against Drunk Drivers (TADD), 192
Turn In Drunk Drivers (TIDD), 192

Uniform Act Regulating Traffic (U.S.A.), 4
Uniform Vehicle Code, 7, 101
United Kingdom
  advertising/alcoholic beverages
    consumption/alcoholic beverages, 131
Urban-rural differences, *see* Rural-urban differences
Urine alcohol determination
  accidents/nonfatal
    forensic purposes, 102
    history, 5–6
U.S. Insurance Institute for Highway Safety, 7
  mass communication, 187
  survey
    curfew laws/driving, 138
    law enforcement/drinking-driving, 124
    legal restriction/alcoholic beverages, 135

Vehicle-mile-of-travel, 48
  accident rate
    vehicle size, 65
  fatality rate, 16
Vehicle size
  accident rate, 65
  accident risk, 51, 63, 64
Vehicular factors
  accident risk, 51–2, 55, 58, 63, 64
  accidents/fatal, 64
  traffic safety, 8
Vermont CRASH campaign
  drinking-driving
    mass communication, 186, 187
Vermont symposium, 20, 33–4
Vigilance skills
  alcohol, 111
Visual acuity
  alcohol, 110
Voluntary Annual Inventory of Traffic Safety Action (National Safety Council), 4–5

Washington (State)
  drinking drivers
    alcoholism treatment, 181
  habitual offender legislation, 157–8
  law enforcement/drinking-driving, 124
Women
  accident risk, 49, 65
  accidents/fatal, 28
    blood alcohol, 25
  accidents/nonfatal, 26, 28, 91
    blood alcohol, 117
  drinking-driving, 26
  pharmacokinetics/alcohol, 102–3

Youth
  accident risk, 136
  accidents/fatal, 20, 26, 28–9
  accidents/nonfatal, 25–6, 42–3
    time of day, 135, 137
  attitudes/drinking-driving
    social action groups, 193–4, 196, 197
  availability of alcoholic beverages
    legal restriction, 86–7, 129–38, 152

Youth (*continued*)
curfew laws/driving, 137–8, 151–2
drinking patterns, 131–4
driver licensing, 151
driving style, 70–2
Youth (*continued*)
license revocation, 151, 172
personality, 26
provisional driver licensing, 151
education-rehabilitation, 182